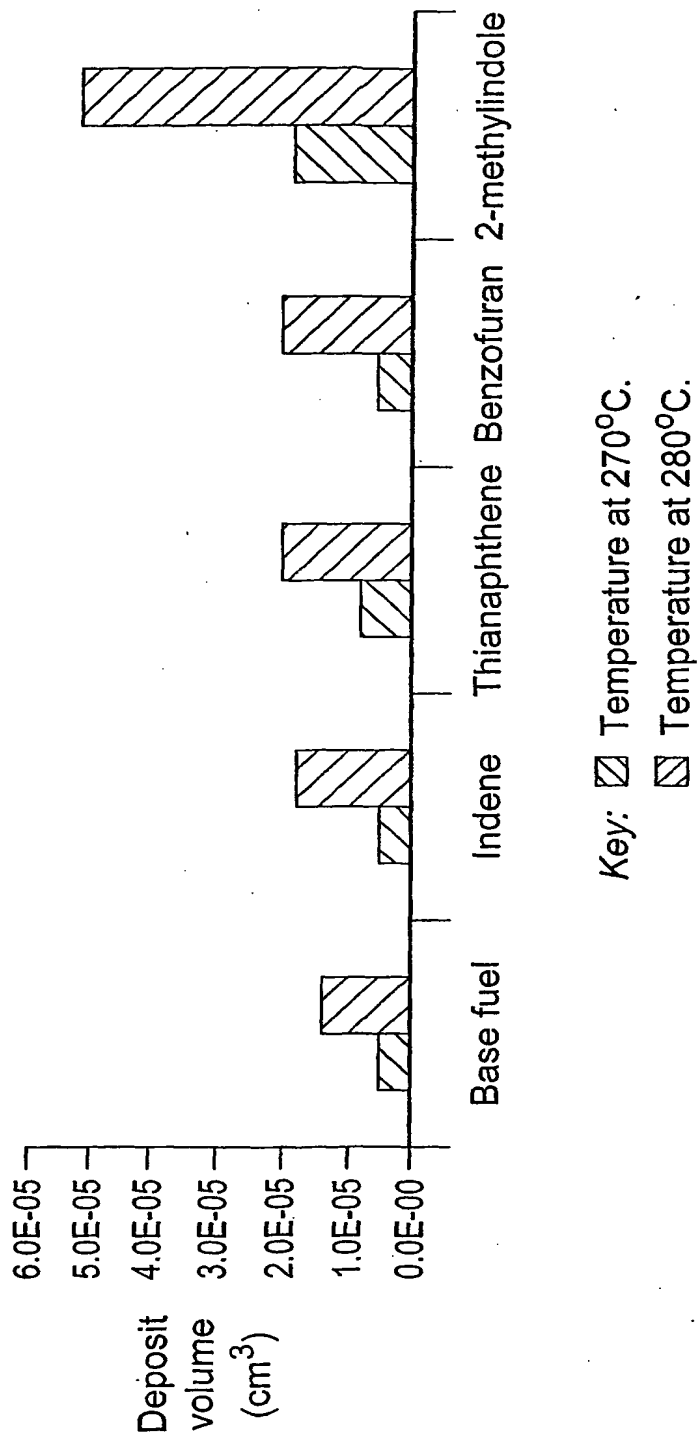


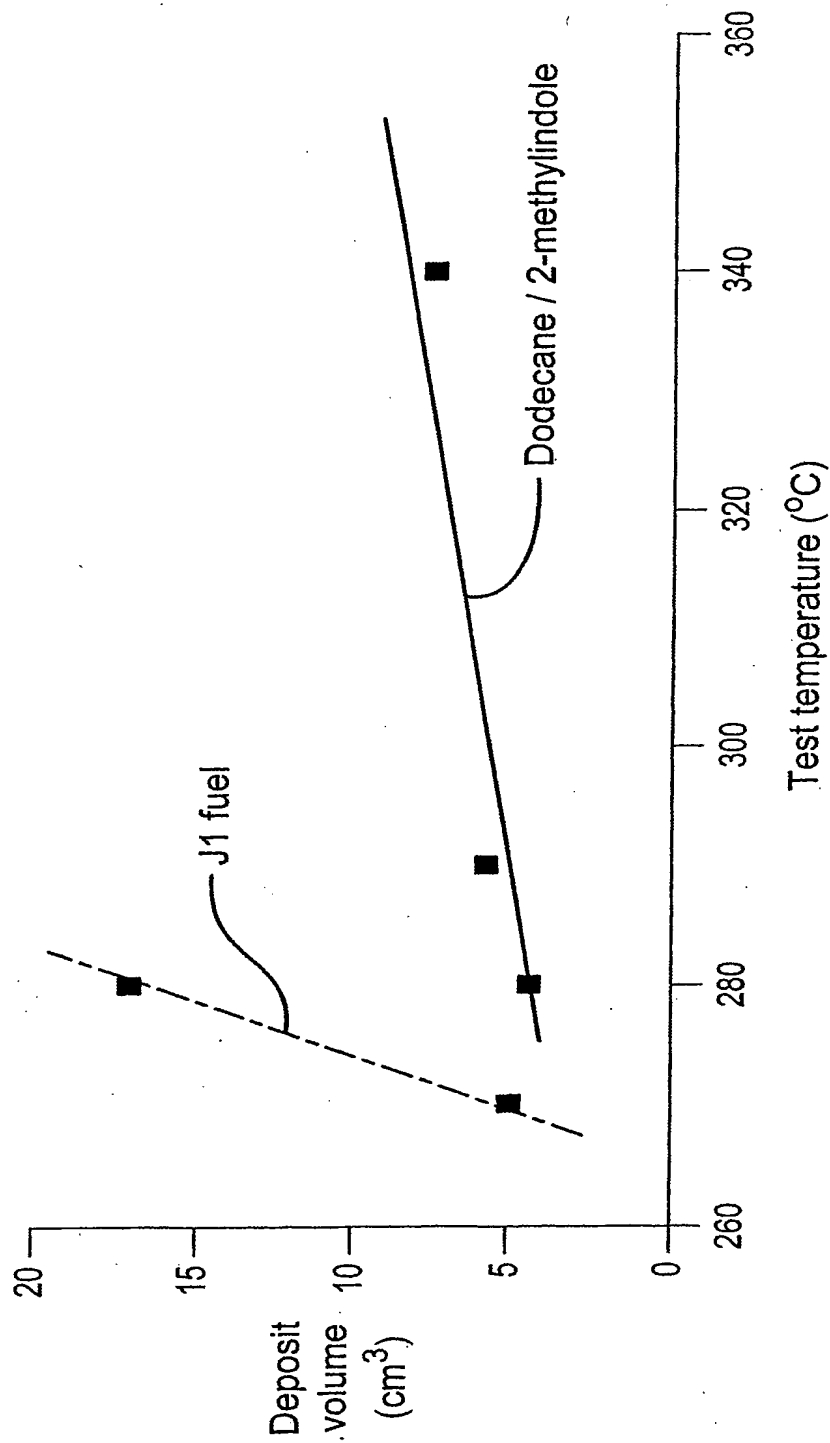
Fig. 1 JFTOT screening of different compounds in Jet A-1 (J1)
at 270°C and 280°C on aluminium tubes.



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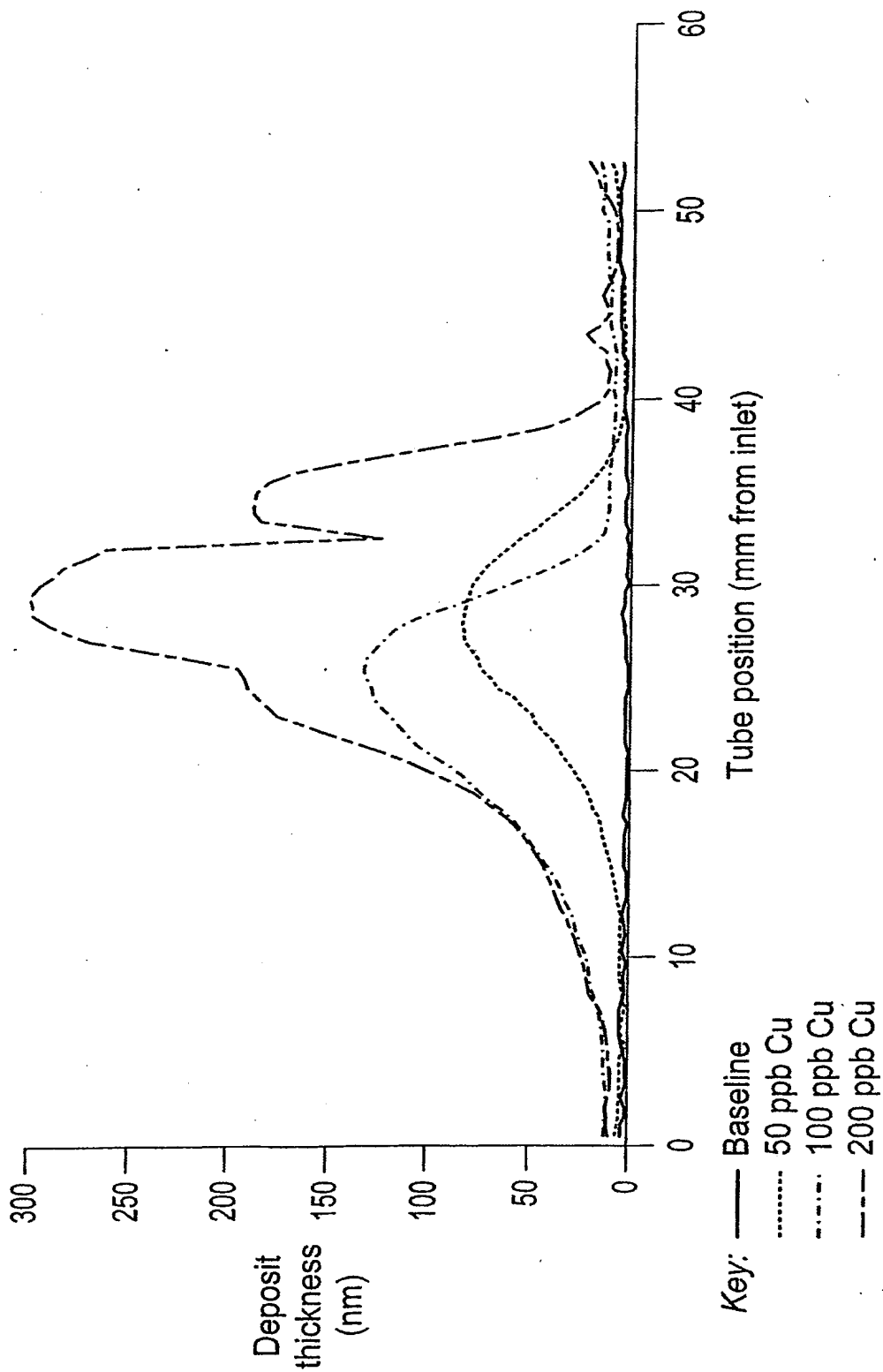
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Fig. 2 Comparison between deposition tendencies for J1 jet fuel and dodecane containing 250 mg l⁻¹ 2-methylindole as a function of JFTOT test temperature.



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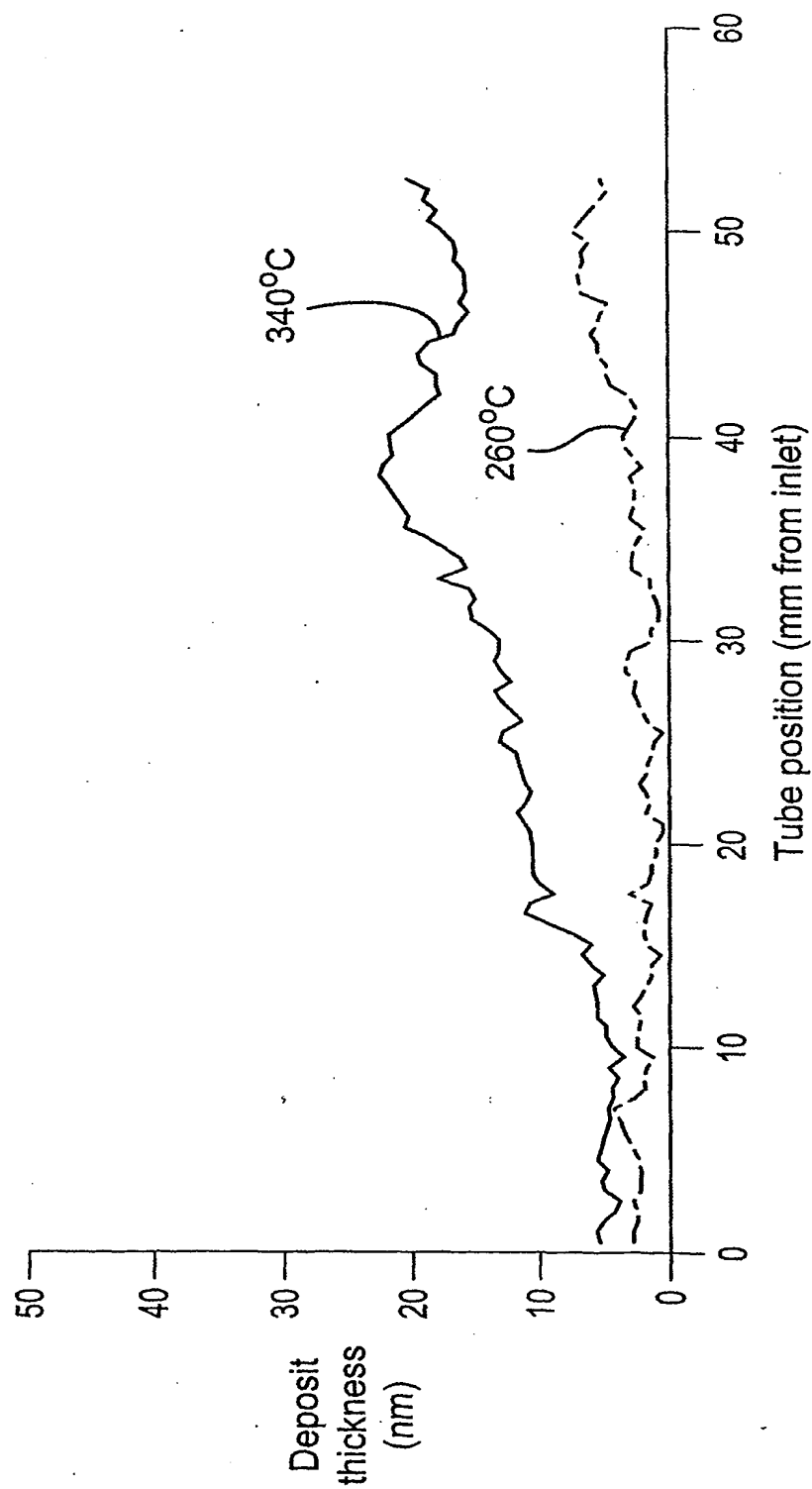
Fig.3 JFTOT tube profiles showing the effect of different copper (II) concentrations in dodecane on deposit formation in the presence of 250 mg l^{-1} 2-methylindole at 260°C .



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Fig. 4. Aluminium JFTOT tube profiles showing the deposition occurring in dodecane containing 100 ppb Cu^{II} and 250 mg l^{-1} thianaphthene at 260°C and 340°C .



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Fig. 5 Aluminium JFTOT tube profiles showing the deposition occurring in dodecane containing different concentrations (indicated) of collidine and copper (II) at 260°C.

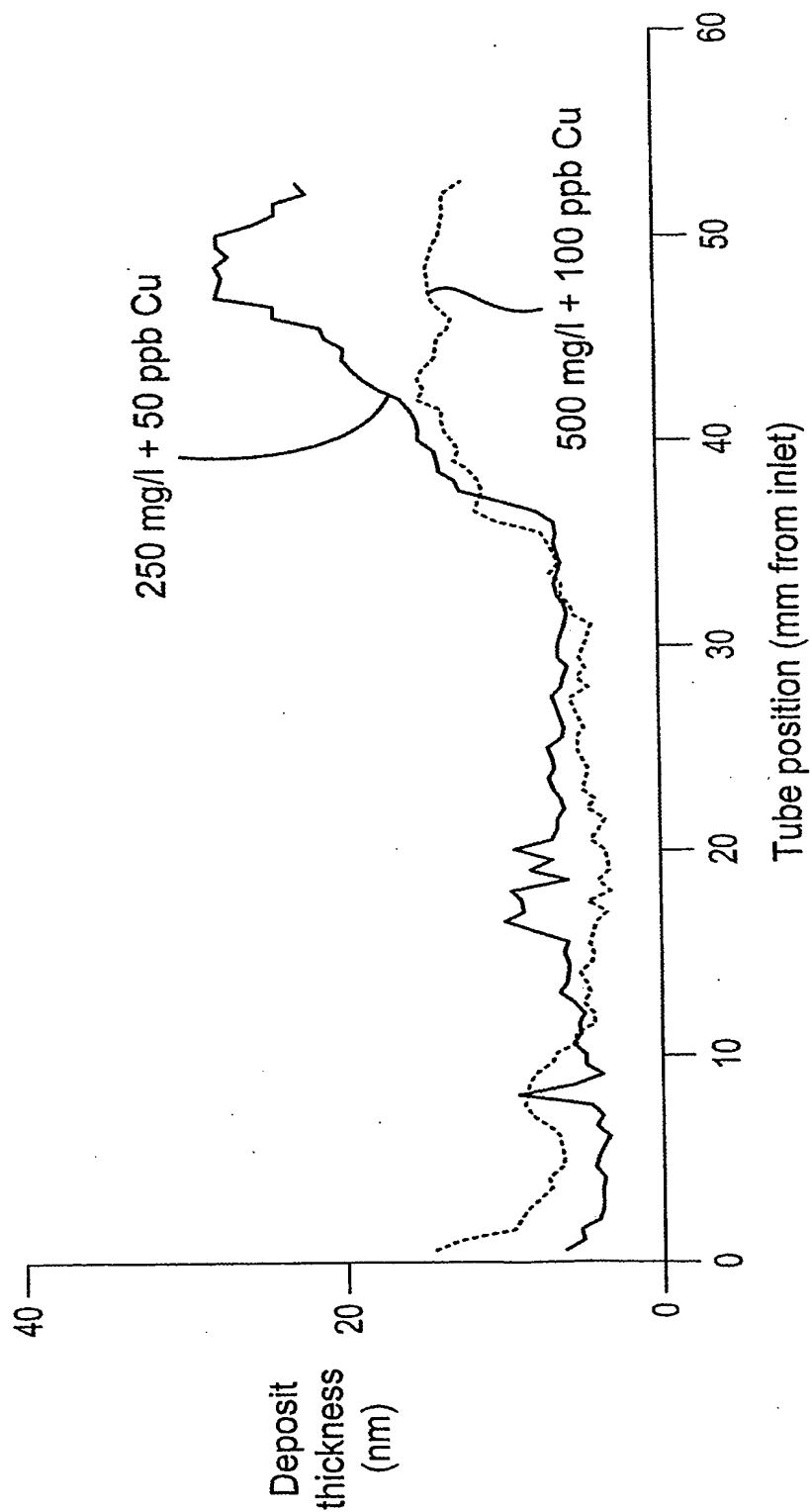


Fig.6 Dependence of JFTOT deposit volume on copper (II) concentration in the presence of pyrrole (open symbols) and 2,5-dimethylpyrrole (closed symbols) (aluminium tubes at 260°C).

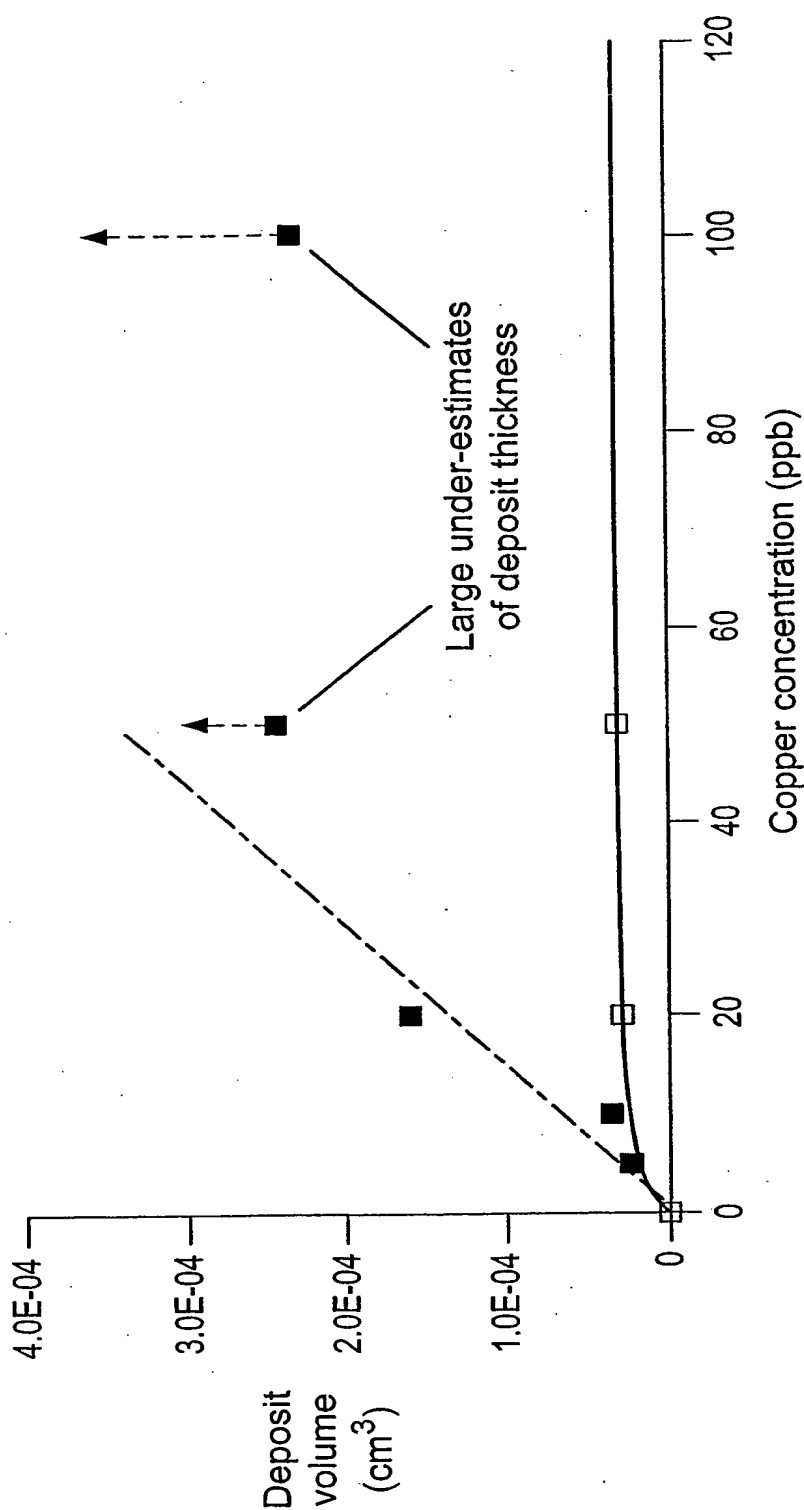
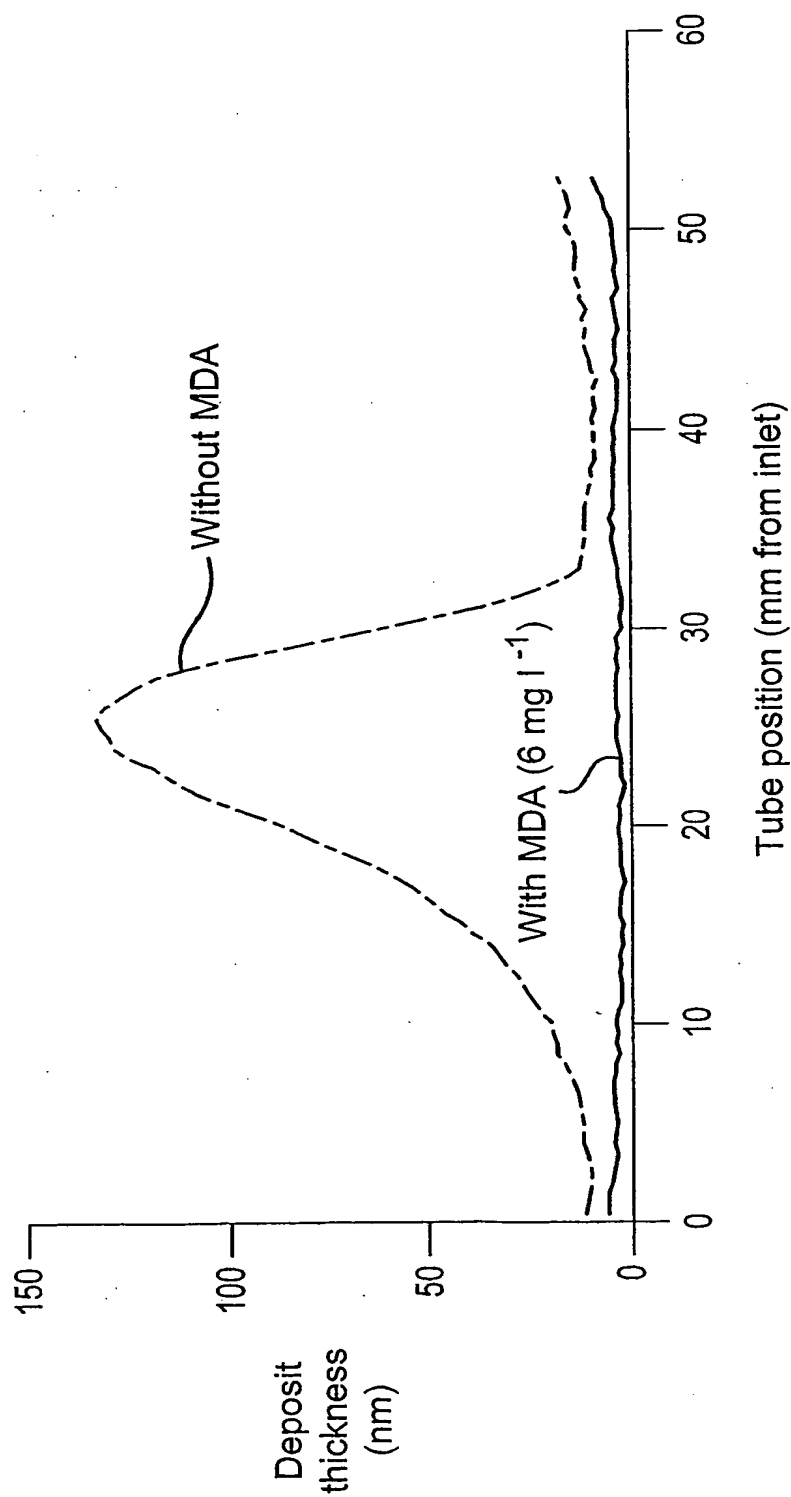


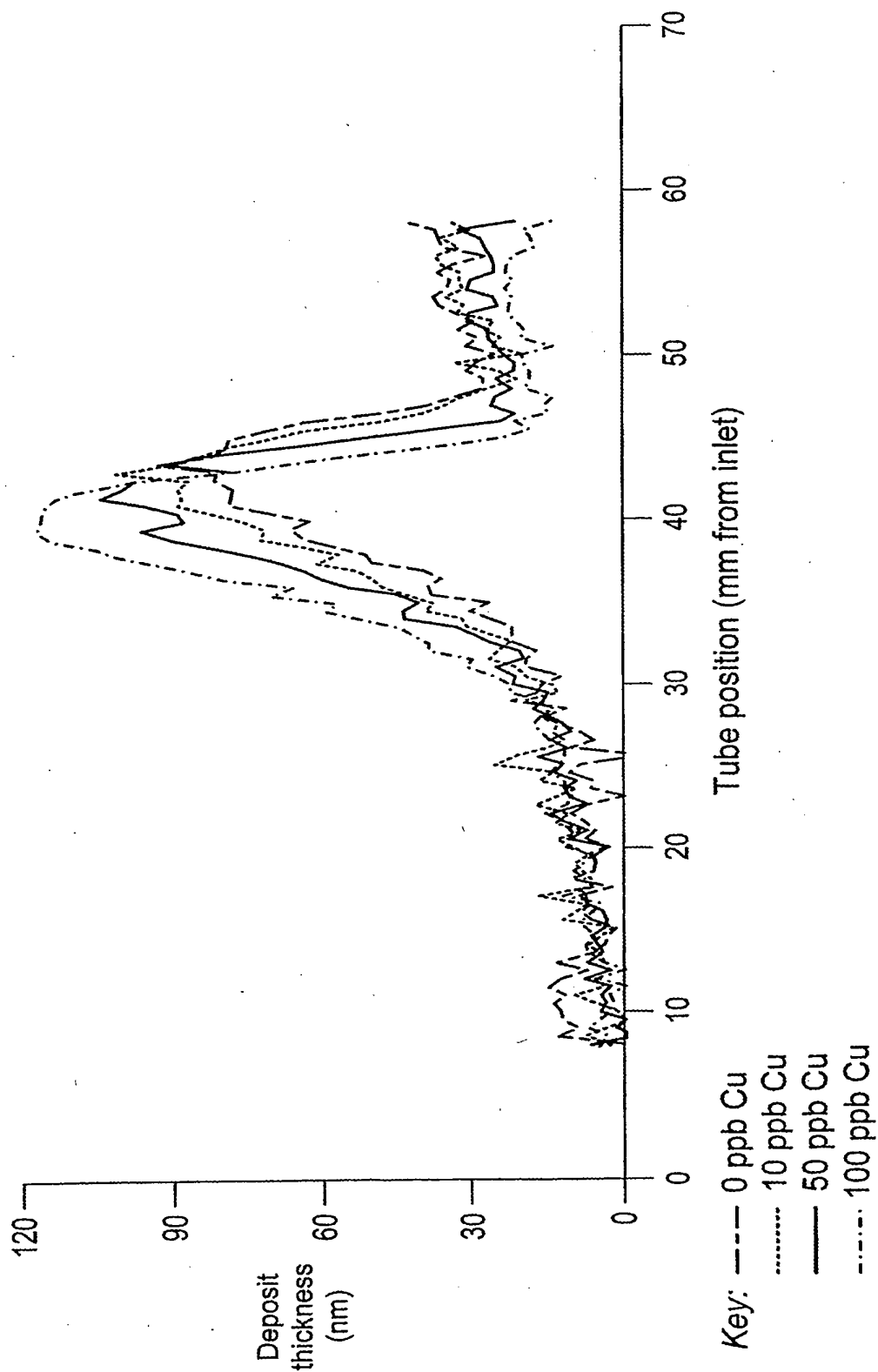
Fig. 7 Effect of MDA (6 mg l^{-1}) on deposition produced from dodecane in the 2-methylindole (250 mg l^{-1}) / 100 ppb copper (II) system (aluminium tubes).



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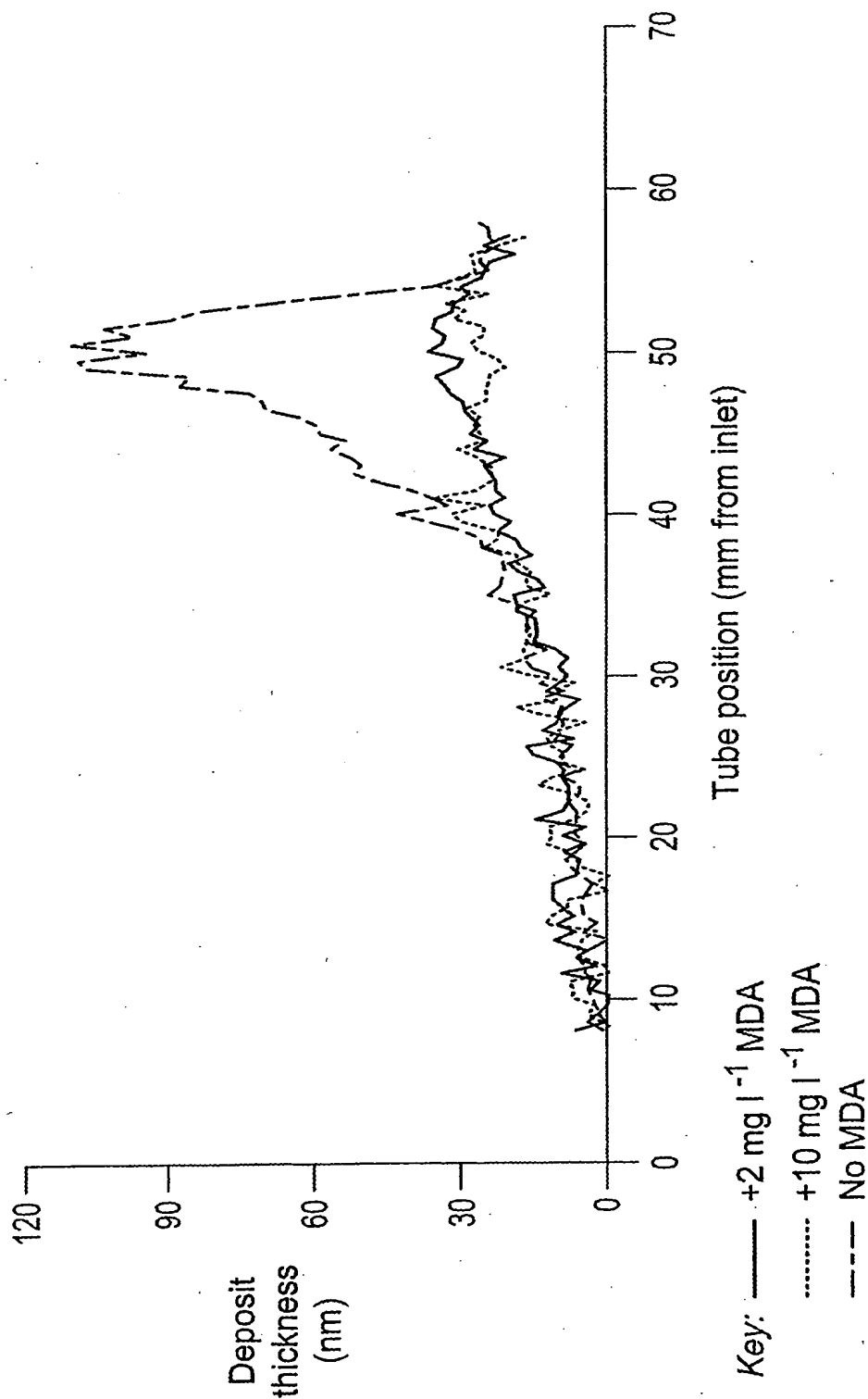
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Fig.8 Stainless steel JFTOT tube deposit profiles showing the deposition occurring in dodecane containing 2-methylindole (250 mg l^{-1}) and different copper (II) concentrations at 260°C .



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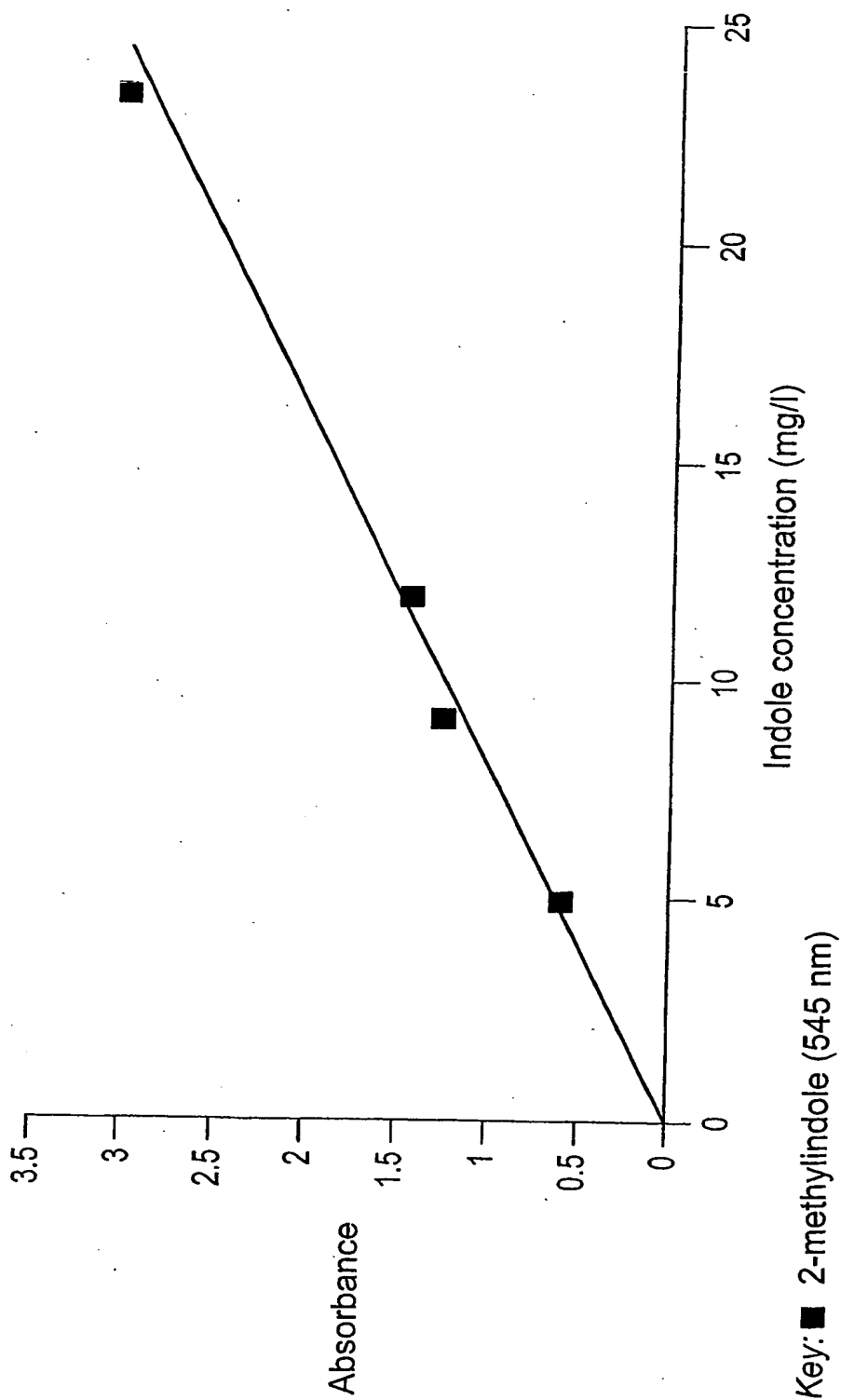
Fig.9 Effect of MDA on deposition produced from dodecane in the 2-methylindole (250 mg l^{-1}) / 100 ppb copper (II) system (stainless steel tubes).



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Fig. 10 Calibration plot showing absorbance at 545 nm of formic acid / DMAB solutions as a function of 2-methylindole concentration in dodecane.



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Fig. 11 *Uv-visible spectra for formic acid / DMAB solutions of extracts from the three indicated jet fuels.*

